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See page 3 of cover for Publication Schedule, Information for Authors and information on Advertisements.

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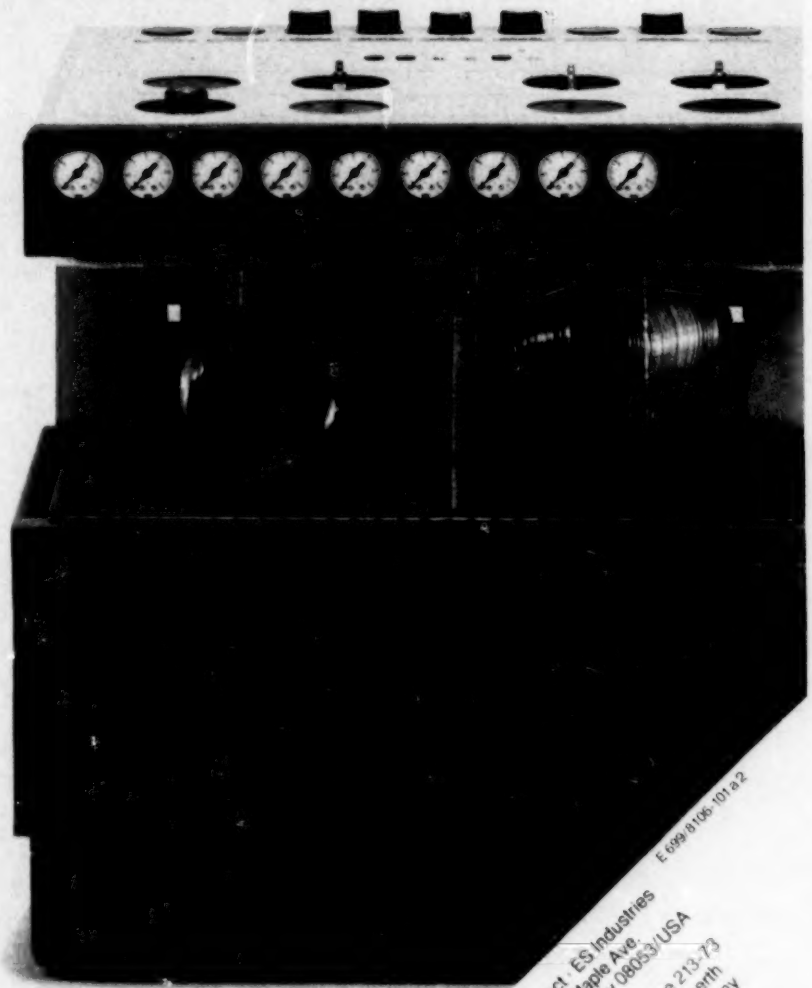

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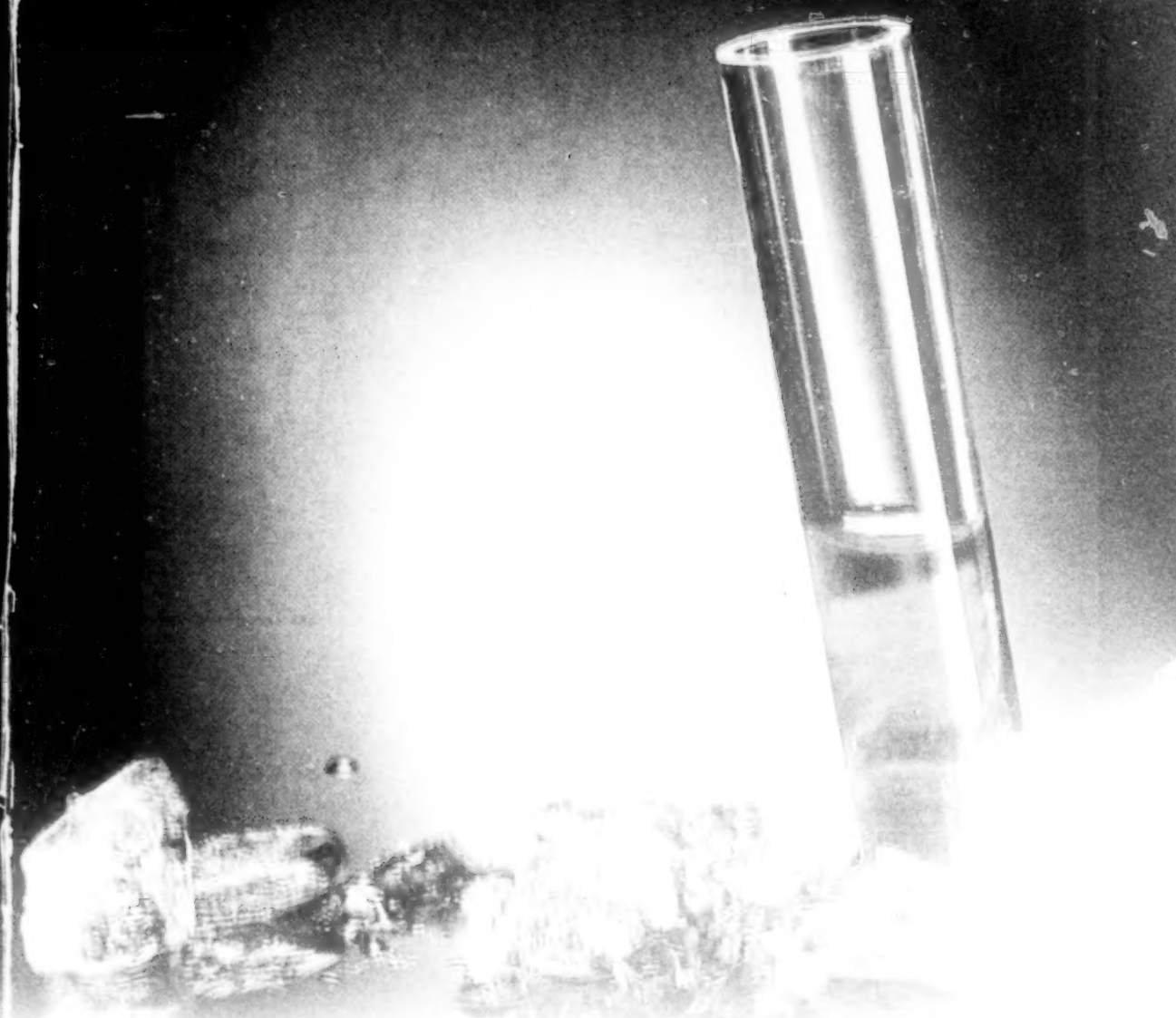

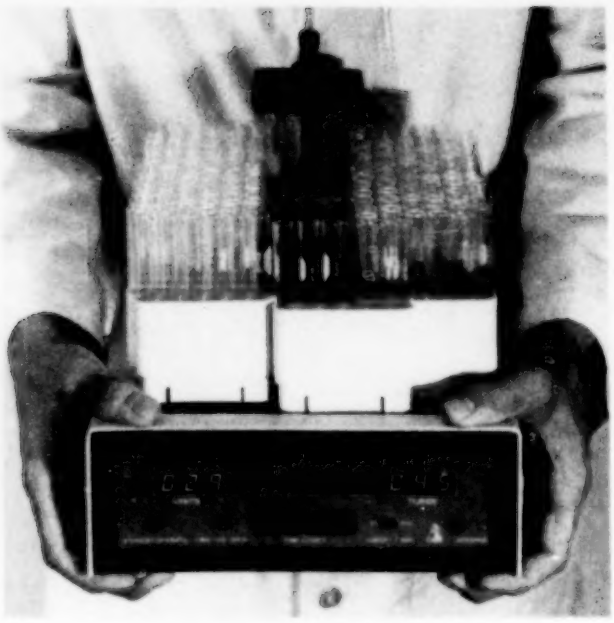

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P. KUCERA, *Hoffmann-La Roche Inc., Nutley, NJ, USA (editor)*

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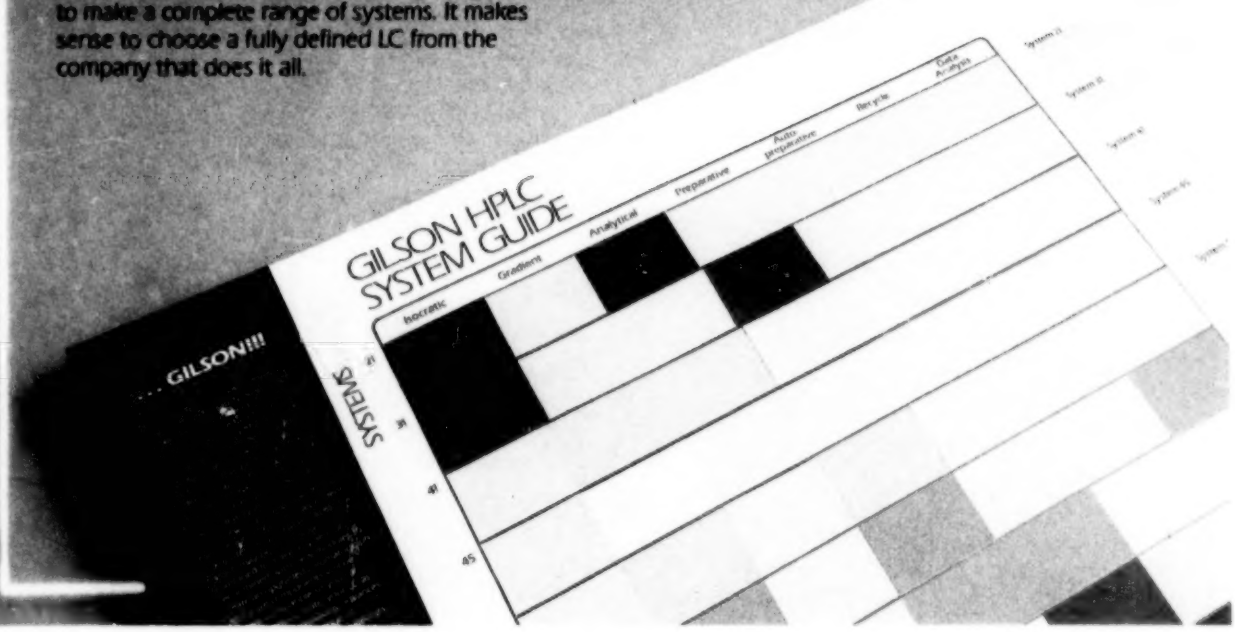

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Z. DEYL *(editor)*
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PART B: APPLICATIONS

Z. DEYL *(editor)*
A. CHRAMBACH, F.M. EVERAERTS *and*
Z. PRUSÍK *(co-editors)*

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edited by E. PUNGOR, I. BUZAS *and* G.E. VERESS, *Institute for General and Analytical Chemistry, Technical University, Budapest, Hungary*

Two symposia were held in Matrafüred, Hungary, in October 1982 and the proceedings of both are contained in this book.

The first was the Symposium on Electrochemical Detection in Flow Analysis, the aim of which was to define the physical parameters of electrochemical detectors that are most important in flow applications, and to study how and under what conditions these detectors can be used in other fields in addition to direct flow analysis, e.g. in chromatography or clinical analysis.

The other meeting was the first international symposium to be held on Pattern Recognition in Analytical Chemistry. This was a particularly successful meeting and both lectures and discussions are presented in the second part of the book. The volume will provide much information and food for thought for many workers in various fields of analytical chemistry.

(Due to limitations of space, only the plenary and keynote lectures from the first conference and the topics of the second conference are listed below.)

CONTENTS

Part A - Electrochemical Detection in Flow Analysis
Plenary Lectures: Amperometric flow-through detection in liquid chromatography *(W. Kemula, W. Kutner).* Potentiometric flow-through detectors and their clinical applications *(W.E. Morf, W. Simon).* Potentiometric and amperometric detection in flow injection enzymatic determinations *(H.A. Mottola et al.).* Behaviour of solid electrodes in anodic flow-through systems with respect to noise and stability *(H. Poppe, H.W. van Rooijen).*
Keynote Lectures: Enzyme reactors in analytical flow systems *(G. Johansson et al.).* Fundamentals of the electrochemical high sensitivity sensors for the detection of various contaminants in atmosphere *(U. Palm).* Some characteristics of flow and continuous analysis with ion-selective electrodes *(J.D.R. Thomas).* Automated polarographic and photometric system for serial analysis *(K. Tóth et al.).* Some aspects of application of ion-selective electrode detectors in flow analysis *(M. Trojanowitz).* Discussion Lectures *(15 papers).* Panel discussion. Subject Index.

Part B - Pattern Recognition in Analytical Chemistry
COBAC and Chemometrics *(2 papers).* Pattern Recognition and Structure Elucidation *(3 papers).* Applications of Pattern Recognition and Cluster Analysis Methods *(4 papers).* Characterization and Comparison of Different Methods of Pattern Recognition *(1 paper).* Subject Index.

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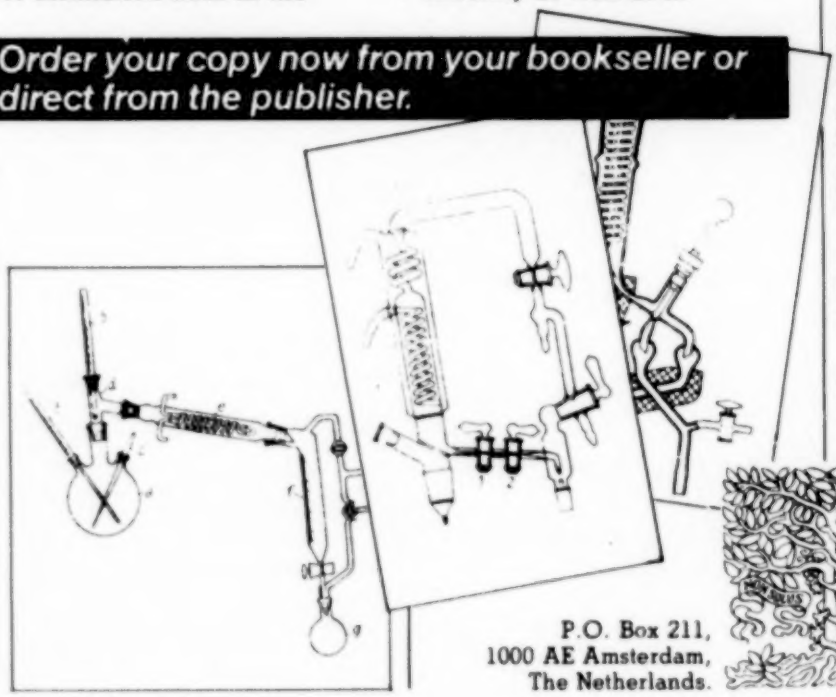

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